Title (en)

Production of Olefin Derivatives

Title (de)

HERSTELLUNG VON OLEFINENDERIVATEN

Title (fr)

Production de dérivés d'oléfine

Publication

EP 2263993 B1 20180314 (EN)

Application

EP 10181848 A 20010703

Priority

- EP 01950834 A 20010703
- US 24094100 P 20000713

Abstract (en)

[origin: WO0206188A2] Disclosed is a system of mating an olefin derivative from a dilute olefin feed. Dilute olefin is sent to an olefin reaction unit to form an olefin derivative product. The olefin derivative product is recovered from the reaction unit while a vent stream is also removed. Olefin is separated from the vent stream, and the olefin is sent to the olefin reaction unit for additional processing.
[origin: WO0206188A2] Disclosed is a system of making an olefin derivative from a dilute olefin feed. Dilute olefin (1) is sent to an olefin reaction unit (3) to form an olefin derivative product. The olefin derivative product (4) is recovered from the reaction unit while a vent stream (5) is also removed. A portion of the vent steam may be recycled back to the reaction unit via line (9). The vent stream is sent to an olefin separation unit (6), where an olefin stream (7) is recovered and returned to the olefin reaction unit for additional processing. The non-olefin compounds are removed via purge (8). Using appropriate recycle of vent gas within the olefin reaction unit allows the use of a high quality olefin stream in the olefin reaction process with a reduced risk of equipment fouling and catalyst contamination, while maintaining a high product quality.

IPC 8 full level

C07B 39/00 (2006.01); **B01J 8/24** (2006.01); **C07B 41/00** (2006.01); **C07B 43/00** (2006.01); **C07C 1/20** (2006.01); **C07C 15/085** (2006.01); **C07C 21/067** (2006.01); **C07C 31/10** (2006.01); **C07C 47/21** (2006.01); **C07C 255/08** (2006.01); **C07D 301/10** (2006.01); **C07D 303/04** (2006.01); **C08F 2/00** (2006.01); **C08F 10/00** (2006.01)

CPC (source: EP US)

B01J 8/1809 (2013.01 - EP US); **C07C 1/20** (2013.01 - EP US); **C07D 301/10** (2013.01 - EP US); **C08F 10/00** (2013.01 - EP US); B01J 2208/00256 (2013.01 - EP US); B01J 2208/00274 (2013.01 - EP US); B01J 2208/00336 (2013.01 - EP US); B01J 2219/00006 (2013.01 - EP US); B01J 2219/00247 (2013.01 - EP US); C07C 2529/85 (2013.01 - EP US); Y02P 20/582 (2015.11 - EP US); Y02P 30/20 (2015.11 - EP US); Y02P 30/40 (2015.11 - EP US); Y10S 585/903 (2013.01 - EP US)

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WO2014106078A2; US9360453B2; WO2014106039A2; US9328177B2

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DOCDB simple family (application)

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